

percent of total volume) and wherein the solution optionally comprises ammonium sulfate or zinc.

48. The Val-8-GLP-1 crystals of Claim 47, wherein the concentration of Val-8-GLP-1(7-37)OH in the solution is between about 1-10 mg/ml and the pH of the solution is between about 6 and 7.
49. The Val-8-GLP-1 crystals of Claim 48 wherein the concentration of Val-8-GLP-1(7-37)OH in the solution is between about 2-7 mg/ml and the solution comprises between about 3-13% ethanol (volume as percent of total volume).
50. The Val-8-GLP-1 crystals of Claim 49 wherein the solution comprises ammonium sulfate at a concentration of about 1% (weight as percent of total volume).
51. The Val-8-GLP-1 crystals of Claim 47 wherein the concentration of Val-8-GLP-1(7-37)OH in the solution is between about 1-20 mg/mL, the molar ratio of zinc to Val-8-GLP-1(7-37)OH is between about 0.5 to 1.7, and the pH of the solution is between about 7-10.
52. The Val-8-GLP-1 crystals of Claim 51 wherein the concentration of Val-8-GLP-1(7-37) in the solution is between about 2-10 mg/mL, the molar ratio of zinc to Val-8-GLP-1(7-37)OH is between about 0.6 to 1.5, and the pH of the solution is between about 7.2-9.7.
53. Flat rod shaped or plate-like crystals of valine-8-glucagon-like peptide-1 (7-37)OH [Val-8-GLP-1(7-37)OH] prepared by crystallizing Val-8-GLP-1(7-37)OH from an aqueous solution comprising Val-8-GLP-1(7-37)OH and between about 2-15% (weight as a percent of total volume) of a monosaccharide or disaccharide selected from the

group consisting of: a) trehalose; b) mannitol; c) glucose; d) erythrose; e) ribose; f) galactose; g) fructose; h) maltose; i) sucrose; and j) lactose; and wherein the solution optionally comprises ammonium sulfate or zinc.

54. The Val-8-GLP-1(7-37)OH crystals of Claim 53 wherein the disaccharide is trehalose.
55. The Val-8-GLP-1(7-37)OH crystals of Claim 53 wherein the monosaccharide is mannitol.
56. A composition comprising individual flat rod shaped crystals of Val-8-GLP(7-37)OH.
57. A composition comprising individual plate-like crystals of Val-8-GLP(7-37)OH.
58. The composition of Claim 56 wherein the crystals of Val-8-GLP(7-37)OH vary in size from between about 2-25 microns by 10-150 microns with a depth from about 0.5-5 microns.
59. The composition of Claim 57 wherein the crystals of Val-8-GLP(7-37)OH vary in size from between about 2-25 microns by 10-150 microns with a depth from about 0.5-5 microns.
60. The composition of Claim 56 wherein the composition additionally comprises zinc.
61. The composition of Claim 57 wherein the composition additionally comprises zinc.

Remarks

Applicants note that the Examiner has maintained the Restriction Requirement set forth earlier in Paper No. 4.